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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/032,305 02/27/1998		HEINRICH HENNHOFER	HENNHOFER-ET	9775	
	590 04/19/2002		EXAM	INFR	
COLLARD & 1077 NORTHE ROSLYN, NY	RN BOULEVARD		KUNEMUND, ROBERT M		
ROSETN, NT	11370		ART UNIT	PAPER NUMBER	
			1765	26	
		DATE MAILED: 04/19/2002			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)			
Office Action Summary		09/032,305	_	HENNHOFER ET AL.			
		Examiner		Art Unit			
		Robert M Kunemu	ınd	1765			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM							
THE N - Extens after S - If the   - If NO - Failur	ORTENED STATUTORY PERIOD FOR REPL (AILING DATE OF THIS COMMUNICATION.) sions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by statute typly received by the Office later than three months after the mailind d patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, howe	ver, may a reply be tim mum of thirty (30) day: SIX (6) MONTHS from become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status		Eahruany 2002					
1)⊠	Responsive to communication(s) filed on <u>04</u>	his action is non-fi	nal				
2a) <u></u> □				rosecution as to the merits is			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 6,7 and 9-20 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.						
6)⊠	6)⊠ Claim(s) <u>6, 7 and 9-20</u> is/are rejected.						
7)	The second secon						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a	a) ☐ All b) ☐ Some * c) ☐ None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.							
14)	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachme							
2) 🗍 Not	tice of References Cited (PTO-892) tice of Draftsperson's Patent Drawing Review (PTO-948) ormation Disclosure Statement(s) (PTO-1449) Paper No(s	4) [ 5) [ 6) [	Notice of Inform	ary (PTO-413) Paper No(s) · al Patent Application (PTO-152)			

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103© and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

Claims 6, 7, and 9 to 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fabray et al in view of Hayashida et al and Lampert et al.

The Fabray et al reference teaches a method of polishing and oxidizing a silicon wafer. A silicon wafer is first polished by standard polishing techniques. The wafer is removed from the polishing holder prior to oxidization. Then a different aqueous solution is applied to the wafer. The solution contains and oxidization agent and alkali compound, note col. 1. The sole difference between the instant claims and the prior art is the specific compounds and the timing of the process steps. However, the Hayasiha et al reference teaches the claimed alkali compounds used on silicon substrates, the compounds can be organic and inorganic. The Lampert et al reference

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teaches that the steps of the process to be done as soon as possible. It would have been obvious to one of ordinary skill in the art to modify the Fabray et al reference by the teachings of the Hayasiha et al and Lampert et al references to use specific compounds in order to prevent the introduction of impurities onto the cleaned substrate and to remove from the polishing holder upon completion of polishing in order to prevent impurities as taught by the Fabray et al reference.

## Response to Applicants' Arguments

Applicant's arguments with respect to claims 6, 7 and 9 to 16 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Kunemund whose telephone number is (703) 308-1091. The examiner can normally be reached on Monday through Friday from 7:00 to 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ben Utech, can be reached on (703) 308-3836. The fax phone number for this Group is (703) 305-6357.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0661.

**RMK** 

April 19, 2002

ROBERT KUNEMUND PRIMARY EXAMINER